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TECH CENT

1600

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/772,607C

TIME: 08:40:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04172003\I772607C.raw

```

4 <110> APPLICANT: Jonassen, Ib
5      Havelund, Svend
6      Hansen, Per Hertz
7      Kurtzhals, Peter
8      Halstrom, John B.
10 <120> TITLE OF INVENTION: Peptide Derivatives
13 <130> FILE REFERENCE: 4409.214-US
15 <140> CURRENT APPLICATION NUMBER: US 09/772,607C
16 <141> CURRENT FILING DATE: 2001-01-30
18 <150> PRIOR APPLICATION NUMBER: US 09/068,822
19 <151> PRIOR FILING DATE: 1998-05-14
21 <150> PRIOR APPLICATION NUMBER: PCT/DK96/00106
22 <151> PRIOR FILING DATE: 1996-03-18
24 <150> PRIOR APPLICATION NUMBER: DK 275/95
25 <151> PRIOR FILING DATE: 1995-03-18
27 <160> NUMBER OF SEQ ID NOS: 14
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 15
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Synthetic
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: LOCATION :15
42 <223> OTHER INFORMATION: Lys at position 15 is modified with Nepsilon-gamma- Glu
(Nalpha -
43      tetradecanoyl)-OH)
45 <400> SEQUENCE: 1
46 Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys Lys
47 1          5          10          15
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 28
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Synthetic
57 <220> FEATURE:
58 <221> NAME/KEY: MOD_RES
59 <222> LOCATION: LOCATION :28
60 <223> OTHER INFORMATION: Lys at position 28 is modified with Nepsilon-gamma- Glu
(Nalpha -
61      tetradecanoyl)-OH)

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W--> 62 <400> SEQUENCE: 2

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63 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 64 1 5 10 15

65 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys
 67 20 25

69 <210> SEQ ID NO: 3

70 <211> LENGTH: 29

71 <212> TYPE: PRT

72 <213> ORGANISM: Artificial Sequence

74 <220> FEATURE:

75 <223> OTHER INFORMATION: Synthetic

77 <220> FEATURE:

78 <221> NAME/KEY: MOD_RES

79 <222> LOCATION: LOCATION :29

80 <223> OTHER INFORMATION: Lys at position 29 is modified with Nepsilon-gamma- Glu
 (Nalpha -

81 tetradecanoyl)-OH

83 <400> SEQUENCE: 3

84 Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
 85 1 5 10 15

86 Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr Lys
 87 20 25

89 <210> SEQ ID NO: 4

90 <211> LENGTH: 11

91 <212> TYPE: PRT

92 <213> ORGANISM: Artificial Sequence

94 <220> FEATURE:

95 <223> OTHER INFORMATION: Synthetic

97 <220> FEATURE:

98 <221> NAME/KEY: MUTAGEN

99 <222> LOCATION: LOCATION: 8

100 <223> OTHER INFORMATION: Xaa = Ala as a D-amino acid

102 <400> SEQUENCE: 4

W--> 103 Tyr Gly Gly Phe Cys Arg Arg Xaa Arg Pro Cys

104 1 5 10

106 <210> SEQ ID NO: 5

107 <211> LENGTH: 6

108 <212> TYPE: PRT

109 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: Synthetic

114 <220> FEATURE:

115 <221> NAME/KEY: MOD_RES

116 <222> LOCATION: LOCATION :6

117 <223> OTHER INFORMATION: Lys at position 6 is modified with Nepsilon-gamma- Glu
 (Nalpha -

118 tetradecanoyl)-OH)

120 <400> SEQUENCE: 5

121 Ala Pro Gly Pro Arg Lys

122 1 5

124 <210> SEQ ID NO: 6

125 <211> LENGTH: 6

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126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Synthetic
132 <220> FEATURE:
133 <221> NAME/KEY: MUTAGEN
134 <222> LOCATION: LOCATION: 1
135 <223> OTHER INFORMATION: Xaa at position 1 is formylated Nle
137 <220> FEATURE:
138 <221> NAME/KEY: MUTAGEN
139 <222> LOCATION: LOCATION: 4
140 <223> OTHER INFORMATION: Xaa at position 4 is Nle
142 <220> FEATURE:
143 <221> NAME/KEY: MOD_RES
144 <222> LOCATION: LOCATION: 6
145 <223> OTHER INFORMATION: Lys at position 6 is modified with Nepsilon-gamma- Glu
(Nalpha -
146      tetradecanoyl)-OH)
148 <400> SEQUENCE: 6
W--> 149 Xaa Leu Phe Xaa Tyr Lys
150 1 5
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 6
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Synthetic
161 <220> FEATURE:
162 <221> NAME/KEY: MUTAGEN
163 <222> LOCATION: LOCATION: 1
164 <223> OTHER INFORMATION: Xaa at position 1 is formylated Nle
166 <220> FEATURE:
167 <221> NAME/KEY: MUTAGEN
168 <222> LOCATION: LOCATION: 4
169 <223> OTHER INFORMATION: Xaa at position 4 is Nle
171 <400> SEQUENCE: 7
W--> 172 Xaa Leu Phe Xaa Tyr Lys
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 6
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Synthetic
182 <220> FEATURE:
183 <221> NAME/KEY: MUTAGEN
184 <222> LOCATION: LOCATION :2
185 <223> OTHER INFORMATION: Xaa = Ala as a D-amino acid
187 <220> FEATURE:
188 <221> NAME/KEY: MOD_RES
189 <222> LOCATION: LOCATION :6

```

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190 <223> OTHER INFORMATION: Lys at position 6 is modified with Nepsilon-gamma- Glu
(Nalpha -
191 tetradecanoyl)-OH)
193 <400> SEQUENCE: 8
W--> 194 Tyr Xaa Gly Phe Leu Lys
195 1 5
196 <210> SEQ ID NO: 9
197 <211> LENGTH: 6
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Synthetic
204 <220> FEATURE:
206 <221> NAME/KEY: MISC_FEATURE
207 <222> LOCATION: LOCATION: 1
208 <223> OTHER INFORMATION: Tyr is modified with butoxycarbonyl
210 <220> FEATURE:
212 <221> NAME/KEY: MUTAGEN
213 <222> LOCATION: LOCATION :2
214 <223> OTHER INFORMATION: Xaa = Ala as a D-amino acid
217 <400> SEQUENCE: 9
W--> 219 Tyr Xaa Gly Phe Leu Lys
221 <210> SEQ ID NO: 10
222 <211> LENGTH: 6
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic
229 <220> FEATURE:
231 <221> NAME/KEY: MUTAGEN
232 <222> LOCATION: LOCATION :2
233 <223> OTHER INFORMATION: Xaa = Ala as a D-amino acid
236 <400> SEQUENCE: 10
W--> 238 Tyr Xaa Gly Phe Leu Lys
241 <210> SEQ ID NO: 11
242 <211> LENGTH: 10
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Synthetic
249 <220> FEATURE:
250 <221> NAME/KEY: MOD_RES
251 <222> LOCATION: LOCATION :10
252 <223> OTHER INFORMATION: Lys at position 10 is modified with Nepsilon-gamma- Glu
(Nalpha -
253 tetradecanoyl)-OH)
255 <400> SEQUENCE: 11
256 Pro His Pro Phe His Phe Phe Val Tyr Lys
257 1 5 10
259 <210> SEQ ID NO: 12
260 <211> LENGTH: 10

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Input Set : A:\PTO.AMC.txt

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261 <212> TYPE: PRT
 262 <213> ORGANISM: Artificial Sequence
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: Synthetic
 267 <220> FEATURE:
 268 <221> NAME/KEY: MISC_FEATURE
 269 <222> LOCATION: LOCATION: 1
 270 <223> OTHER INFORMATION: Pro at position 1 is modified with 9-fluorenylmethyloxycarbonyl
 272 <400> SEQUENCE: 12
 273 Pro His Pro Phe His Phe Phe Val Tyr Lys
 274 1 5 10
 276 <210> SEQ ID NO: 13
 277 <211> LENGTH: 10
 278 <212> TYPE: PRT
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Synthetic
 284 <400> SEQUENCE: 13
 285 Pro His Pro Phe His Phe Phe Val Tyr Lys
 286 1 5 10
 288 <210> SEQ ID NO: 14
 289 <211> LENGTH: 29
 290 <212> TYPE: PRT
 291 <213> ORGANISM: Artificial Sequence
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Synthetic
 296 <220> FEATURE:
 297 <221> NAME/KEY: MOD_RES
 298 <222> LOCATION: LOCATION:29
 299 <223> OTHER INFORMATION: Lys at position 29 is modified with Nepsilon-gamma- Glu
 (Nalpha -
 300 tetradecanoyl)-OH)
 302 <400> SEQUENCE: 14
 303 Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
 304 1 5 10 15
 305 Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr Lys
 306 20 25

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/772,607C

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Input Set : A:\PTO.AMC.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 8
Seq#:6; Xaa Pos. 1,4
Seq#:7; Xaa Pos. 1,4
Seq#:8; Xaa Pos. 2
Seq#:9; Xaa Pos. 2
Seq#:10; Xaa Pos. 2